



West Lake Update

May 10, 2021

Operable Units 1 and 2, Spring 2021 Update

Operable Unit -1 Design Investigation

The originally planned Design Investigation work at Operable Unit 1 (OU-1) is wrapping up this month. Early in April, the Potentially Responsible Parties (PRPs) completed the borings planned near the southern boundary of Area 1 that overlap the Bridgeton Landfill. EPA expects to receive the sampling results from these borings later this summer.

Crews will demobilize from the site while plans are developed to perform additional perimeter “step-out” borings and further investigate the extent of radio-logically impacted material (RIM) south of the previous Area 2 boundary. Step-out borings are needed where either trash or RIM was identified in OU-1 perimeter borings. The PRPs are currently developing plans for step-out borings outside the previously estimated Area 2 boundary near the Buffer Zone/Lot 2A2 and St. Charles Rock Road, as well as outside the west, north and east sides of the previously estimated Area 1 boundary. EPA will review and approve these plans when submitted by the PRPs. EPA anticipates these additional step-out borings will be collected in May, pending approval of the plans. EPA will continue to post these plans along with our comments on the EPA Site Profile Page.

The PRPs will collect additional borings south of the previously estimated Area 2 boundary. Plans for this work are currently under development, but cannot be completed until laboratory results from the borings completed in March and April in these areas are available. EPA expects to receive plans for this work later this summer.

Operable Unit 2 Remedial Design

The Inactive Sanitary Landfill is the subject of the OU-2 Remedial Design. As described above, additional soil sampling is necessary to determine the extent of RIM on the south side of Area 2 of OU-1. The areas where this additional sampling is occurring are identified on the map as the Construction and Demolition Landfill and the Inactive Sanitary Land-

fill. Until the extent of all the RIM in the Inactive Sanitary Landfill is determined, some elements of the OU-2 Remedial Design must be put on hold, such as the Slope Stability Evaluation and Western Waste Limit Investigation Plan, Soil Borrow Area Investigation Plan, and the 30% Remedial Design.

However, progress on the OU-2 Remedial Design is continuing even though some actions are temporarily paused. EPA is currently reviewing the revised OU-2 Landfill Gas Monitoring Plan. Once approved, landfill gas monitoring wells will be installed outside the perimeter of OU-2 and the data collected will be used to determine if any landfill gas is moving off-site. EPA is also reviewing a revised Stormwater Monitoring Plan for OU-2, and once approved, this plan will be implemented. Finally, work continues on the Waste Separation Evaluation between the Inactive Sanitary Landfill and the south quarry portion of the Bridgeton Landfill, with a revised report expected in May 2021.

Field Oversight and Health and Safety

Throughout the field work taking place at any of the operable units, EPA has been present on-site observing the activities being conducted to ensure they are performed in accordance with the approved Work Plans or that any deviations are pre-approved by EPA. In addition to the Work Plans for investigations, the PRPs have established site-specific Health and Safety Plans for the field work being conducted at each OU. EPA oversight includes paying close attention to the health and safety practices to ensure these plans are being strictly followed while the work is being performed. In addition, the Health and Safety Plans and field investigation Work Plans include actions to minimize the creation of dust during work. Air monitoring at the site is ongoing and will continue throughout all field investigations. The Missouri Department of Natural Resources is providing field oversight support at both OU-1 and OU-2.

Plans referenced in this West Lake Update are available for you to review at: www.epa.gov/superfund/westlakelandfill.



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